

**In the Claims:**

Please amend claim 1 and add new claims 17 to 20 as follows:

1.(currently amended) A reflector for lights of higher power, said reflector comprising

a base body made of glass or glass ceramic, wherein said base body is formed with a receptacle for a light source and said base body has an interior mirror surface and an outer surface; and

a protective jacket provided on the outer surface of the base body, wherein said protective jacket comprises a mat or is mat-shaped, and said mat is formed to mask or screen scattered light from the reflector and to provide a uniform temperature distribution in the reflector to avoid thermo-mechanical stresses as well as to protect from explosive destruction of the light source.

2.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of said mat and said mat comprises a glass-fiber reinforced textile fabric.

3.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of said mat and said mat comprises a carbon-fiber reinforced textile fabric.

4.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of said mat and said mat comprises ceramic fibers.

5.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of said mat and said mat comprises metal fibers.

6.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of a fleece of glass fibers, carbon fibers or ceramic fibers.

7.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of a pressed mat-shaped body and said mat-shaped body comprises an inorganic mineral material.

8.(previously presented) The reflector as defined in claim 1, wherein the protective jacket is glued to the outer surface of the base body with an adhesive.

9.(previously presented) The reflector as defined in claim 8, wherein said adhesive is a water glass.

10.(previously presented) The reflector as defined in claim 1, wherein the protective jacket consists of a separate hood-shaped body, which is placed on the outside of the reflector.

11.(previously presented) The reflector as defined in claim 1, wherein the protective jacket is colored.

12.(previously presented) The reflector as defined in claim 1, wherein the protective jacket is saturated with a hardenable substance.

13.(previously presented) The reflector as defined in claim 1, wherein the protective jacket is provided with an outer organic coating.

14.(previously presented) The reflector as defined in claim 13, wherein the organic coating is a lacquer or varnish layer.

15.(previously presented) The reflector as defined in claim 13, wherein the organic coating is a fluoropolymer layer.

16.(previously presented) The reflector as defined in claim 1, wherein said light source is a gas discharge lamp.

17.(new) The reflector as defined in claim 1, wherein the base body has a parabolic shape.

18.(new) A reflector for lights of higher power, said reflector comprising

a base body made of glass or glass ceramic, wherein said base body is formed with a receptacle for a high-pressure gas discharge light source and said base body has an interior mirror surface and an outer surface; and a protective jacket provided on the outer surface of the base body, wherein said protective jacket comprises a mat and said mat is formed to be light protective, to prevent thermo-mechanical stresses and to protect from explosive destruction of the light source.

19.(new) The reflector as defined in claim 18, wherein the protective jacket is glued to the outer surface of the base body with an adhesive.

20.(new) The reflector as defined in claim 18, wherein the protective jacket consists of a separate hood-shaped body, which is placed on the outside of the reflector.